



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 124064

TO: Roy Teller
Location: REM-3D18/3D11
Art Unit: 1654
Wednesday, June 09, 2004

Case Serial Number: 10/024017

From: Edward Hart
Location: Biotech-Chem Library
REM-1A55
Phone: 571-272-2512

edward.hart@uspto.gov

Search Notes

Examiner Teller,

Here are the results of the search you requested.

Please feel free to contact me if you have any questions.

Edward Hart

STIC-Biotech/ChemLib

124064

From: Unknown@Unknown.com
Sent: Tuesday, June 08, 2004 9:03 AM
To: STIC-Biotech/ChemLib
Subject: Generic form response

ResponseHeader=Commercial Database Search Request

AccessDB#=

LogNumber=

Searcher=

SearcherPhone=

SearcherBranch=

MyDate=Tue Jun 8 09:02:32 EDT 2004

submitto=Biotech01@uspto.gov

Name=Roy Teller

Empno=79445

Phone=571-272-0971

Artunit=1654

Office=Rem-3D18

Serialnum=10/024,017

PatClass=514/4

Earliest=12/21/2001

Format1=paper

Searchtopic= Please do an interference search on SEQ ID NO:6. Thank you.

Comments=

send=SEND

Searcher: _____
Phone: _____
Location: _____
Date Picked Up: 6/9/04
Date Completed: 6/9/04
Searcher Prep/Review: _____
Clerical: _____
Online time: _____

TYPE OF SEARCH:
NA Sequences: _____
AA Sequences: 1
Structures: _____
Bibliographic: _____
Litigation: _____
Full text: _____
Patent Family: _____
Other: _____

VENDOR/COST (where applic.)
STN: _____
DIALOG: _____
Questel/Orbit: _____
DRLink: _____
Lexis/Nexis: _____
Sequence Sys.: ASP
WWW/Internet: _____
Other (specify): _____

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OM protein - protein search, using sw model

Run on: June 9, 2004, 08:16:16 ; Search time 23 seconds
(without alignments)
20.201 Million cell updates/sec

Title: US-10-024-017-6
Perfect score: 51
Sequence: 1 KMWIWKAG 9

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA.*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pcp.*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pcp.*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pcp.*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pcp.*
5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pcp.*
6: /cgn2_6/ptodata/2/iaa/backfiles.pcp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Query Length	ID	Description
1	37	72.5	312	4	US-09-532-594B-8
2	37	72.5	399	4	US-09-532-594B-9
3	37	72.5	536	4	US-09-532-594B-10
4	37	72.5	623	4	US-09-532-594B-2
5	37	72.5	623	4	US-09-532-594B-11
6	35	68.6	185	4	US-09-540-236-3475
7	34	66.7	687	1	US-08-164-839-31
8	34	66.7	687	1	US-08-164-839-33
9	34	66.7	687	1	US-08-583-799-31
10	34	66.7	687	1	US-08-583-799-33
11	34	66.7	688	1	US-08-164-839-70
12	34	66.7	688	1	US-08-164-839-72
13	34	66.7	688	1	US-08-583-799-70
14	34	66.7	688	1	US-08-583-799-72
15	33	64.7	121	4	US-09-489-039A-13475
16	33	64.7	264	1	US-08-323-445A-8
17	33	64.7	264	1	US-08-515-903A-8
18	33	64.7	264	5	PCT-US95-12840-8
19	33	64.7	570	4	US-09-543-681A-5889
20	33	64.7	729	4	US-09-107-532A-6946
21	32	62.7	80	4	US-09-489-039A-13035
22	32	62.7	174	2	US-08-464-517-50
23	32	62.7	174	2	US-08-246-361A-50
24	32	62.7	174	3	PCT-US93-05000-33
25	32	62.7	215	5	PCT-US93-05000-33
26	32	62.7	345	4	US-09-765-069-10
27	32	62.7	392	4	US-09-765-069-4

Sequence 8, Appli
Sequence 7082, Ap
Sequence 9621, Ap
Sequence 2, Appli
Sequence 25852, A
Sequence 7, Appli
Sequence 6, Appli
Sequence 640, App
Sequence 2, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 6, Appli
Sequence 36, Appli
Sequence 41, Appli
Sequence 4842, Ap
Sequence 5861, Ap
Sequence 6288, Ap
Sequence 7864, Ap

ALIGNMENTS

RESULT 1
US-09-532-594B-8
; Sequence 8, Application US/09532594B
; Patent No. 6468524
; GENERAL INFORMATION:
; APPLICANT: Chorini, John A.
; APPLICANT: Kotin, Robert M.
; APPLICANT: Davidon, Beverly
; TITLE OF INVENTION: AAV4 VECTOR AND USES THEREOF
; FILE REFERENCE: 14014.0252U2
; CURRENT APPLICATION NUMBER: US/09/532.594B
; CURRENT FILING DATE: 2000-03-22
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 312
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence; No. 6468524e =
; OTHER INFORMATION: synthetic construct
; NAME/KEY: misc feature
; OTHER INFORMATION: AAV4 Rep protein 40
US-09-532-594B-8
Query Match 72.5%; Score 37; DB 4; Length 312;
Best Local Similarity 66.7%; Pred. No. 58;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
Qy 1 KMWIWKAG 9
|||||:
Db 148 KMWIWKBEQ 156

RESULT 2
US-09-532-594B-9
; Sequence 9, Application US/09532594B
; Patent No. 6468524
; GENERAL INFORMATION:
; APPLICANT: Chorini, John A.
; APPLICANT: Kotin, Robert M.
; APPLICANT: Davidon, Beverly
; TITLE OF INVENTION: AAV4 VECTOR AND USES THEREOF
; FILE REFERENCE: 14014.0252U2
; CURRENT APPLICATION NUMBER: US/09/532.594B
; CURRENT FILING DATE: 2000-03-22
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 9
; LENGTH: 399
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence; No. 6468524e =
; NAME/KEY: misc_feature
; OTHER INFORMATION: AAV4 Rep protein 52
US-09-532-594B-9

Query Match 72.5%; Score 37; DB 4; Length 399;
Best Local Similarity 56.7%; Pred. No. 73;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 KMVIYWKAG 9
|||:|:
Db 148 KMVIWEEG 156

RESULT 3
US-09-532-594B-10
; Sequence 10, Application US/09532594B
; Patent No. 6468524
; GENERAL INFORMATION:
; APPLICANT: Chorini, John A.
; APPLICANT: Kotin, Robert M.
; APPLICANT: Safer, Brian
; APPLICANT: Davidson, Beverly
; TITLE OF INVENTION: AAV4 VECTOR AND USES THEREOF
; FILE REFERENCE: 14014.025202
; CURRENT APPLICATION NUMBER: US/09/532,594B
; CURRENT FILING DATE: 2000-03-22
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 536
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence; No. 6468524e =
; NAME/KEY: misc_feature
; OTHER INFORMATION: AAV4 Rep protein 68
US-09-532-594B-10

Query Match 72.5%; Score 37; DB 4; Length 536;
Best Local Similarity 56.7%; Pred. No. 96;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 KMVIYWKAG 9
|||:|:
Db 372 KMVIWEEG 380

RESULT 4
US-09-532-594B-2
; Sequence 2, Application US/09532594B
; Patent No. 6468524
; GENERAL INFORMATION:
; APPLICANT: Chorini, John A.
; APPLICANT: Kotin, Robert M.
; APPLICANT: Safer, Brian
; APPLICANT: Davidson, Beverly
; TITLE OF INVENTION: AAV4 VECTOR AND USES THEREOF
; FILE REFERENCE: 14014.025202
; CURRENT APPLICATION NUMBER: US/09/532,594B
; CURRENT FILING DATE: 2000-03-22
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 623
; TYPE: PRT

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence; No. 6468524e =
; NAME/KEY: misc_feature
; OTHER INFORMATION: AAV4 Rep protein (full length)
US-09-532-594B-2

Query Match 72.5%; Score 37; DB 4; Length 623;
Best Local Similarity 66.7%; Pred. No. 11e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 KMVIYWKAG 9
|||:|:
Db 372 KMVIWEEG 380

RESULT 5
US-09-532-594B-11
; Sequence 11, Application US/09532594B
; Patent No. 6468524
; GENERAL INFORMATION:
; APPLICANT: Chorini, John A.
; APPLICANT: Kotin, Robert M.
; APPLICANT: Safer, Brian
; APPLICANT: Davidson, Beverly
; TITLE OF INVENTION: AAV4 VECTOR AND USES THEREOF
; FILE REFERENCE: 14014.025202
; CURRENT APPLICATION NUMBER: US/09/532,594B
; CURRENT FILING DATE: 2000-03-22
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 623
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence; No. 6468524e =
; NAME/KEY: misc_feature
; OTHER INFORMATION: AAV4 Rep protein 78
US-09-532-594B-11

Query Match 72.5%; Score 37; DB 4; Length 623;
Best Local Similarity 66.7%; Pred. No. 11e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 KMVIYWKAG 9
|||:|:
Db 372 KMVIWEEG 380

RESULT 6
US-09-540-236-3475
; Sequence 3475, Application US/09540236
; Patent No. 6673910
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATARACTAE
; FILE REFERENCE: 2709.2005-001
; CURRENT APPLICATION NUMBER: US/09/540,236
; CURRENT FILING DATE: 2000-04-04
; NUMBER OF SEQ ID NOS: 3840
; SEQ ID NO 3475
; LENGTH: 185
; TYPE: PRT
; ORGANISM: M. catarrhalis
US-09-540-236-3475

Query Match 68.6%; Score 35; DB 4; Length 185;
Best Local Similarity 55.6%; Pred. No. 77;
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 KWYWKAG 9
:|:|:|:
Db 164 RMIIVWAG 172

RESULT 7
US-08-164-839-31
; Sequence 31, Application US/08164839
; Patent No. 5514573
; GENERAL INFORMATION:
; APPLICANT: YASUEDA, HISASHI
; APPLICANT: NAKANISHI, KAZUO
; APPLICANT: MOTOKI, MASAO
; APPLICANT: NAGASE, KAZUO
; APPLICANT: MATSUI, HIROSHI
; TITLE OF INVENTION: GENE ENCODING TRANSGLUTAMINASE DERIVED
; FROM FISH
; NUMBER OF SEQUENCES: 72
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; STREET: 1755 Jefferson Davis Highway, Fourth Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/164,839
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/004,729
; FILING DATE: 14-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Oblon, No. 5514573man F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 10-599-0
; TELEPHONE: (703)412-3000
; TELEFAX: (703)413-2220
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 687 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-164-839-31

Query Match 66.7%; Score 34; DB 1; Length 687;
Best Local Similarity 71.4%; Pred. No. 3.9e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 3 VIYWKAG 9
:|:|:|:
Db 394 IYWMAG 400

RESULT 8
US-08-164-839-33
; Sequence 33, Application US/08164839
; Patent No. 5514573
; GENERAL INFORMATION:
; APPLICANT: YASUEDA, HISASHI
; APPLICANT: NAKANISHI, KAZUO
; APPLICANT: MOTOKI, MASAO
; APPLICANT: NAGASE, KAZUO
; TITLE OF INVENTION: GENE ENCODING TRANSGLUTAMINASE DERIVED
; FROM FISH
; NUMBER OF SEQUENCES: 72
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; STREET: 1755 Jefferson Davis Highway, Fourth Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

; APPLICANT: MATSUI, HIROSHI
; TITLE OF INVENTION: GENE ENCODING TRANSGLUTAMINASE DERIVED
; FROM FISH
; NUMBER OF SEQUENCES: 72
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; STREET: 1755 Jefferson Davis Highway, Fourth Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/164,839
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/004,729
; FILING DATE: 14-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Oblon, No. 5514573man F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 10-599-0
; TELEPHONE: (703)412-3000
; TELEFAX: (703)413-2220
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 687 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-164-839-33

Query Match 66.7%; Score 34; DB 1; Length 687;
Best Local Similarity 71.4%; Pred. No. 3.9e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 3 VIYWKAG 9
:|:|:|:
Db 394 IYWMAG 400

RESULT 9
US-08-583-799-31
; Sequence 31, Application US/08583799
; Patent No. 5607849
; GENERAL INFORMATION:
; APPLICANT: YASUEDA, HISASHI
; APPLICANT: NAKANISHI, KAZUO
; APPLICANT: MOTOKI, MASAO
; APPLICANT: NAGASE, KAZUO
; APPLICANT: MATSUI, HIROSHI
; TITLE OF INVENTION: GENE ENCODING TRANSGLUTAMINASE DERIVED
; FROM FISH
; NUMBER OF SEQUENCES: 72
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; STREET: 1755 Jefferson Davis Highway, Fourth Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/583,799
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/004,729
FILING DATE: 14-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Oblon, No. 5607849man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 10-599-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)412-3000
TELEFAX: (703)413-2220
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 687 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-583-799-31

Query Match 66.7%; Score 34; DB 1; Length 687;
Best Local Similarity 71.4%; Pred. No. 3.9e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 3 VIYWKAG 9
Db 394 IYYWAG 400

RESULT 10
US-08-583-799-33
Sequence 33, Application US/08583799
Patent No. 5607849
GENERAL INFORMATION:
APPLICANT: YASUEDA, HISASHI
APPLICANT: NAKANISHI, KAZUO
APPLICANT: MOTOKI, MASAO
APPLICANT: NAGASE, KAZUO
APPLICANT: MATSUI, HIROSHI
TITLE OF INVENTION: GENE ENCODING TRANSGLUTAMINASE DERIVED
FROM FISH
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
P.C.
STREET: 1755 Jefferson Davis Highway, Fourth Floor
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/583,799
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/004,729
FILING DATE: 14-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Oblon, No. 5607849man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 10-599-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)412-3000

TELEFAX: (703)413-2220
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 687 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-583-799-33

Query Match 66.7%; Score 34; DB 1; Length 687;
Best Local Similarity 71.4%; Pred. No. 3.9e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 3 VIYWKAG 9
Db 394 IYYWAG 400

RESULT 11
US-08-164-839-70
Sequence 70, Application US/08164839
Patent No. 5514573
GENERAL INFORMATION:
APPLICANT: YASUEDA, HISASHI
APPLICANT: NAKANISHI, KAZUO
APPLICANT: MOTOKI, MASAO
APPLICANT: NAGASE, KAZUO
APPLICANT: MATSUI, HIROSHI
TITLE OF INVENTION: GENE ENCODING TRANSGLUTAMINASE DERIVED
FROM FISH
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
P.C.
STREET: 1755 Jefferson Davis Highway, Fourth Floor
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/164,839
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/004,729
FILING DATE: 14-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Oblon, No. 5514573man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 10-599-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)412-3000
TELEFAX: (703)413-2220
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 70:
SEQUENCE CHARACTERISTICS:
LENGTH: 688 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-164-839-70

Query Match 66.7%; Score 34; DB 1; Length 688;
Best Local Similarity 71.4%; Pred. No. 3.9e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 3 VIYWKAG 9

Db 395 IYYWAG 401

RESULT 12

US-08-164-839-72

Sequence 72, Application US/08164839

Patent No. 5514573

GENERAL INFORMATION:

APPLICANT: YASUEDA, HISASHI

APPLICANT: NAKANISHI, KAZUO

APPLICANT: MOTOKI, MASAO

APPLICANT: NAGASE, KAZUO

APPLICANT: MATSUI, HIROSHI

TITLE OF INVENTION: GENE ENCODING TRANSGLUTAMINASE DERIVED

NUMBER OF SEQUENCES: 72

CORRESPONDENCE ADDRESS:

ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,

ADDRESSEE: P.C.

STREET: 1755 Jefferson Davis Highway, Fourth Floor

CITY: Arlington

STATE: Virginia

COUNTRY: U.S.A.

ZIP: 22202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/164,839

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/004,729

FILING DATE: 14-JAN-1993

ATTORNEY/AGENT INFORMATION:

NAME: Oblon, No. 5514573man F.

REGISTRATION NUMBER: 24,618

REFERENCE/DOCKET NUMBER: 10-599-0

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703)412-3000

TELEFAX: (703)413-2220

TELEX: 248855 OPAT UR

INFORMATION FOR SEQ ID NO: 72:

SEQUENCE CHARACTERISTICS:

LENGTH: 688 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-164-839-72

Query Match 66.7%; Score 34; DB 1; Length 688;

Best Local Similarity 71.4%; Pred.No. 3.9e+02;

Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 3 VIYWKAG 9

Db 395 IYYWAG 401

RESULT 13

US-08-583-799-70

Sequence 70, Application US/08583799

Patent No. 5607849

GENERAL INFORMATION:

APPLICANT: YASUEDA, HISASHI

APPLICANT: NAKANISHI, KAZUO

APPLICANT: MOTOKI, MASAO

APPLICANT: NAGASE, KAZUO

APPLICANT: MATSUI, HIROSHI

TITLE OF INVENTION: GENE ENCODING TRANSGLUTAMINASE DERIVED

; TITLE OF INVENTION: FROM FISH

; NUMBER OF SEQUENCES: 72

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,

; ADDRESSEE: P.C.

; STREET: 1755 Jefferson Davis Highway, Fourth Floor

; CITY: Arlington

; STATE: Virginia

; COUNTRY: U.S.A.

; ZIP: 22202

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/583,799

; FILING DATE:

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/004,729

; FILING DATE: 14-JAN-1993

; ATTORNEY/AGENT INFORMATION:

; NAME: Oblon, No. 5607849man F.

; REGISTRATION NUMBER: 24,618

; REFERENCE/DOCKET NUMBER: 10-599-0

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (703)412-3000

; TELEFAX: (703)413-2220

; TELEX: 248855 OPAT UR

; INFORMATION FOR SEQ ID NO: 70:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 688 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; US-08-583-799-70

Query Match 66.7%; Score 34; DB 1; Length 688;

Best Local Similarity 71.4%; Pred.No. 3.9e+02;

Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 3 VIYWKAG 9

Db 395 IYYWAG 401

RESULT 14

US-08-583-799-72

Sequence 72, Application US/08583799

Patent No. 5607849

GENERAL INFORMATION:

APPLICANT: YASUEDA, HISASHI

APPLICANT: NAKANISHI, KAZUO

APPLICANT: MOTOKI, MASAO

APPLICANT: NAGASE, KAZUO

APPLICANT: MATSUI, HIROSHI

TITLE OF INVENTION: GENE ENCODING TRANSGLUTAMINASE DERIVED

NUMBER OF SEQUENCES: 72

CORRESPONDENCE ADDRESS:

ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,

ADDRESSEE: P.C.

STREET: 1755 Jefferson Davis Highway, Fourth Floor

CITY: Arlington

STATE: Virginia

COUNTRY: U.S.A.

ZIP: 22202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/583,799
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/004,729
; FILING DATE: 14-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Oblon, No. 5607849man F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 10-599-0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)412-3000
; TELEFAX: (703)413-2220
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 72:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 688 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-583-799-72

Query Match 66.7%; Score 34; DB 1; Length 688;
Best Local Similarity 71.4%; Pred. No. 3.9e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 3 VIYWKAG 9
Db 395 IYWMAG 401

RESULT 15
US-09-489-039A-13475
; Sequence 13475, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 13475
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
; US-09-489-039A-13475

Query Match 64.7%; Score 33; DB 4; Length 121;
Best Local Similarity 71.4%; Pred. No. 1.1e+02;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 3 VIYWKAG 9
Db 28 VIFWQAG 34

Search completed: June 9, 2004, 08:22:07
Job time : 24 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 9, 2004, 08:21:01 ; Search time 43 seconds
(without alignments)

58.885 Million cell updates/sec

Title: US-10-024-017-6

Perfect score: 51

Sequence: 1 KMWIYWKAG 9

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Searched: 1155919 seqs, 281338677 residues

Total number of hits satisfying chosen parameters: 1155919

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:

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11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
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18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	51	100.0	9	12	US-10-024-017-5
2	51	100.0	9	12	US-10-024-017-6
3	39	76.5	207	12	US-10-425-114-47898
4	39	76.5	242	12	US-10-425-114-64269
5	39	76.5	273	12	US-10-425-114-63365
6	37	72.5	312	9	US-09-792-630-23
7	37	72.5	312	10	US-09-953-351-23
8	37	72.5	312	13	US-10-080-376-23
9	37	72.5	312	14	US-10-082-671-29
10	37	72.5	312	14	US-10-097-100-23
11	37	72.5	312	14	US-10-023-208-23
12	37	72.5	312	14	US-10-022-390-56
13	37	72.5	312	14	US-10-022-390-60
14	37	72.5	312	14	US-10-022-390-64
15	37	72.5	312	14	US-10-022-390-68

16	37	72.5	312	14	US-10-022-390-72
17	37	72.5	312	14	US-10-022-390-76
18	37	72.5	312	14	US-10-022-390-80
19	37	72.5	312	14	US-10-022-390-84
20	37	72.5	312	14	US-10-022-390-88
21	37	72.5	312	14	US-10-022-390-92
22	37	72.5	312	14	US-10-022-390-96
23	37	72.5	312	14	US-10-022-390-100
24	37	72.5	312	14	US-10-022-390-104
25	37	72.5	312	14	US-10-022-390-108
26	37	72.5	312	14	US-10-022-390-112
27	37	72.5	312	14	US-10-022-390-116
28	37	72.5	312	14	US-10-022-390-120
29	37	72.5	312	14	US-10-022-390-124
30	37	72.5	312	14	US-10-022-390-128
31	37	72.5	312	14	US-10-022-390-132
32	37	72.5	312	14	US-10-022-390-136
33	37	72.5	312	14	US-10-022-390-140
34	37	72.5	312	14	US-10-022-390-148
35	37	72.5	312	14	US-10-022-390-152
36	37	72.5	312	14	US-10-022-390-156
37	37	72.5	312	14	US-10-022-390-160
38	37	72.5	312	14	US-10-022-390-164
39	37	72.5	312	14	US-10-022-390-168
40	37	72.5	312	14	US-10-022-390-172
41	37	72.5	312	14	US-10-022-390-176
42	37	72.5	312	14	US-10-022-390-180
43	37	72.5	312	14	US-10-022-390-184
44	37	72.5	312	14	US-10-022-390-188
45	37	72.5	312	14	US-10-022-390-192

ALIGNMENTS

RESULT 1

US-10-024-017-5
; Sequence 5, Application US/10024017
; Publication No. US20030078210A1
; GENERAL INFORMATION:
; APPLICANT: Dalton, William S.
; APPLICANT: Damiano, Jason S.
; APPLICANT: Cress, Anne E.
; TITLE OF INVENTION: Compounds and Methods For Modulating Cell-Adhesion Mediated Drug
; TITLE OF INVENTION: Resistance
; FILE REFERENCE: USF-T140XC1
; CURRENT APPLICATION NUMBER: US/10/024,017
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 60/186,198
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/795,484
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: inhibitor of cell adhesion mediated drug resistance
US-10-024-017-5

Query Match 100.0%; Score 51; DB 12; Length 9;
Best Local Similarity 100.0%; Pred. No. 1e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 KMWIYWKAG 9

Db 1 KMWIYWKAG 9

RESULT 2

US-10-024-017-6

; Sequence 6, Application US/10024017
; Publication No. US20030078210A1
; GENERAL INFORMATION:
; APPLICANT: Dalton, William S.
; APPLICANT: Cress, Anne E.
; TITLE OF INVENTION: Compounds and Methods For Modulating Cell-Adhesion Mediated Drug
; FILE REFERENCE: USF-T140XC1
; CURRENT APPLICATION NUMBER: US/10/024,017
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 60/186,198
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/795,484
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: RZ-3
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(9)
; OTHER INFORMATION: Dextrorotatory amino acid
US-10-024-017-6

Query Match 100.0%; Score 51; DB 12; Length 9;
Best Local Similarity 100.0%; Pred. No. 1e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KMVIYWKAG 9
|||
Db 1 KMVIYWKAG 9

RESULT 3
US-10-425-114-47898
; Sequence 47898, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 47898
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: 700580909_FLI.pap
US-10-425-114-47898

Query Match 76.5%; Score 39; DB 12; Length 207;
Best Local Similarity 87.5%; Pred. No. 87;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 MVIYWKAG 9
|||
Db 186 MVIYWKAG 193

RESULT 4

US-10-425-114-64269
; Sequence 64269, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 64269
; LENGTH: 242
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3607-023-H8_FLI.pap
US-10-425-114-64269

Query Match 76.5%; Score 39; DB 12; Length 242;
Best Local Similarity 87.5%; Pred. No. 1e+02;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 MVIYWKAG 9
|||
Db 221 MVIYWKAG 228

RESULT 5
US-10-425-114-63365
; Sequence 63365, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 63365
; LENGTH: 273
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMFLMCI17169F02_FLI.pap
US-10-425-114-63365

Query Match 76.5%; Score 39; DB 12; Length 273;
Best Local Similarity 87.5%; Pred. No. 1.1e+02;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 MVIYWKAG 9
|||
Db 252 MVIYWKAG 259

RESULT 6
US-09-792-630-23
; Sequence 23, Application US/09792630
; Patent No. US20020168640A1
; GENERAL INFORMATION:
; APPLICANT: Li, Min

; APPLICANT: Dahiyat, Bassil I.
; TITLE OF INVENTION: BIOCHIPS COMPRISING NUCLEIC ACID/PROTEIN CONJUGATES
; FILE REFERENCE: A-70295/RFT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/792,630
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 23
; LENGTH: 312
; TYPE: PRT
; ORGANISM: adeno-associated virus 2
US-09-792-630-23

Query Match 72.5%; Score 37; DB 9; Length 312;
Best Local Similarity 66.7%; Pred. No. 2.6e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 KMVIYWKAG 9
|||:|:
Db 148 KMVIWEEG 156

RESULT 7

US-09-953-351-23
; Sequence 23, Application US/09953351
; Publication No. US20030036643A1
; GENERAL INFORMATION:
; APPLICANT: Li, Min
; APPLICANT: Melander, Christian
; APPLICANT: Liu, Hong-Xiang
; APPLICANT: Jin, Cheng He
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE CONSTRUCTION AND USE OF FUSION I
; FILE REFERENCE: A-70814/RFT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/953,351
; CURRENT FILING DATE: 2001-09-14
; PRIOR APPLICATION NUMBER: US 60/232,960
; PRIOR FILING DATE: 2000-09-14
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 23
; LENGTH: 312
; TYPE: PRT
; ORGANISM: adeno-associated virus 2
US-09-953-351-23

Query Match 72.5%; Score 37; DB 10; Length 312;
Best Local Similarity 56.7%; Pred. No. 2.6e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 KMVIYWKAG 9
|||:|:
Db 148 KMVIWEEG 156

RESULT 8

US-10-080-376-23
; Sequence 23, Application US/10080376
; Publication No. US20020172968A1
; GENERAL INFORMATION:
; APPLICANT: Li, Min
; APPLICANT: Dahiyat, Bassil I.
; TITLE OF INVENTION: BIOCHIPS COMPRISING NUCLEIC ACID/PROTEIN CONJUGATES
; FILE REFERENCE: A-70295-2/RFT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/10/080,376
; CURRENT FILING DATE: 2000-02-19
; PRIOR APPLICATION NUMBER: US 09/792,630
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 23
; LENGTH: 312
; TYPE: PRT
; ORGANISM: adeno-associated virus 2

US-10-080-376-23

Query Match 72.5%; Score 37; DB 13; Length 312;
Best Local Similarity 66.7%; Pred. No. 2.6e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 KMVIYWKAG 9
|||:|:
Db 148 KMVIWEEG 156

RESULT 9

US-10-082-671-29
; Sequence 29, Application US/10082671
; Publication No. US20030049647A1
; GENERAL INFORMATION:
; APPLICANT: LI, MIN
; APPLICANT: DAHIYAT, BASSIL
; TITLE OF INVENTION: USE OF NUCLEIC ACID LIBRARIES TO CREATE TOXICOLOGICAL
; FILE REFERENCE: XEN/001
; CURRENT APPLICATION NUMBER: US/10/082,671
; CURRENT FILING DATE: 2002-05-17
; PRIOR APPLICATION NUMBER: 60/270,781
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 29
; LENGTH: 312
; TYPE: PRT
; ORGANISM: adeno-associated virus 2
US-10-082-671-29

Query Match 72.5%; Score 37; DB 14; Length 312;
Best Local Similarity 66.7%; Pred. No. 2.6e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 KMVIYWKAG 9
|||:|:
Db 148 KMVIWEEG 156

RESULT 10

US-10-097-100-23
; Sequence 23, Application US/10097100
; Publication No. US20030068649A1
; GENERAL INFORMATION:
; APPLICANT: Li, Min
; APPLICANT: Melander, Christian
; APPLICANT: Liu, Hong-Xiang
; APPLICANT: Jin, Cheng He
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE CONSTRUCTION AND USE OF FUSION I
; FILE REFERENCE: A-70814/RFT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/10/097,100
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: US/09/953,351
; PRIOR FILING DATE: 2001-09-14
; PRIOR APPLICATION NUMBER: US 60/232,960
; PRIOR FILING DATE: 2000-09-14
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 23
; LENGTH: 312
; TYPE: PRT
; ORGANISM: adeno-associated virus 2
US-10-097-100-23

Query Match 72.5%; Score 37; DB 14; Length 312;
Best Local Similarity 66.7%; Pred. No. 2.6e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 KMVIYWKAG 9
|||:|:
;

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Db      148 KMVIWWEEG 156

RESULT 11
US-10-023-208-23
; Sequence 23, Application US/10023208
; Publication No. US20030124537A1
; GENERAL INFORMATION:
; APPLICANT: Li, Min
; APPLICANT: Liu, Yuan-Ching
; TITLE OF INVENTION: PROCAROTIC LIBRARIES AND USES
; FILE REFERENCE: A-70174-1/RFT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/10/023,208
; CURRENT FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: US 60/256,163
; PRIOR FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 23
; LENGTH: 312
; TYPE: PRT
; ORGANISM: adeno-associated virus 2
US-10-023-208-23

Query Match      72.5%; Score 37; DB 14; Length 312;
Best Local Similarity 66.7%; Pred. No. 2.6e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      1 KMVIYWKAG 9
Db      148 KMVIWWEEG 156

RESULT 12
US-10-022-390-56
; Sequence 56, Application US/10022390
; Publication No. US20030129203A1
; GENERAL INFORMATION:
; APPLICANT: Vega, Manuel
; APPLICANT: Driantanti, Lila
; APPLICANT: Flaux, Marjorie
; TITLE OF INVENTION: MUTANT RECOMBINANT ADENO-ASSOCIATED VIRUSES
; FILE REFERENCE: 37851-912
; CURRENT APPLICATION NUMBER: US/10/022,390
; CURRENT FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/315,382
; PRIOR FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 56
; LENGTH: 312
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Mutant rep protein: rep40 228 GCG
US-10-022-390-56

Query Match      72.5%; Score 37; DB 14; Length 312;
Best Local Similarity 66.7%; Pred. No. 2.6e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      1 KMVIYWKAG 9
Db      148 KMVIWWEEG 156

RESULT 13
US-10-022-390-60
; Sequence 60, Application US/10022390
; Publication No. US20030129203A1
; GENERAL INFORMATION:
; APPLICANT: Vega, Manuel
; APPLICANT: Driantanti, Lila
; APPLICANT: Flaux, Marjorie
; TITLE OF INVENTION: MUTANT RECOMBINANT ADENO-ASSOCIATED VIRUSES
; FILE REFERENCE: 37851-912
; CURRENT APPLICATION NUMBER: US/10/022,390
; CURRENT FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/315,382
; PRIOR FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 60
; LENGTH: 312
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Mutant rep protein: rep40 231 GCC
US-10-022-390-60

Query Match      72.5%; Score 37; DB 14; Length 312;
Best Local Similarity 66.7%; Pred. No. 2.6e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      1 KMVIYWKAG 9
Db      148 KMVIWWEEG 156

RESULT 14
US-10-022-390-64
; Sequence 64, Application US/10022390
; Publication No. US20030129203A1
; GENERAL INFORMATION:
; APPLICANT: Vega, Manuel
; APPLICANT: Driantanti, Lila
; APPLICANT: Flaux, Marjorie
; TITLE OF INVENTION: MUTANT RECOMBINANT ADENO-ASSOCIATED VIRUSES
; FILE REFERENCE: 37851-912
; CURRENT APPLICATION NUMBER: US/10/022,390
; CURRENT FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/315,382
; PRIOR FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 64
; LENGTH: 312
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Mutant rep protein: rep40 234 GCG
US-10-022-390-64

Query Match      72.5%; Score 37; DB 14; Length 312;
Best Local Similarity 66.7%; Pred. No. 2.6e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      1 KMVIYWKAG 9
Db      148 KMVIWWEEG 156

RESULT 15
US-10-022-390-68
; Sequence 68, Application US/10022390
; Publication No. US20030129203A1
; GENERAL INFORMATION:
; APPLICANT: Vega, Manuel
; APPLICANT: Driantanti, Lila
; APPLICANT: Flaux, Marjorie
; TITLE OF INVENTION: MUTANT RECOMBINANT ADENO-ASSOCIATED VIRUSES
; FILE REFERENCE: 37851-912
; CURRENT APPLICATION NUMBER: US/10/022,390
; CURRENT FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/315,382
; PRIOR FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 68
; LENGTH: 312
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Mutant rep protein: rep40 233 GCG
US-10-022-390-68

Query Match      72.5%; Score 37; DB 14; Length 312;
Best Local Similarity 66.7%; Pred. No. 2.6e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      1 KMVIYWKAG 9
Db      148 KMVIWWEEG 156
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; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 68
; LENGTH: 312
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Mutant rep protein: rep40 237 GCC
US-10-022-390-68

Query Match          72.5%; Score 37; DB 14; Length 312;
Best Local Similarity 66.7%; Pred. No. 2.6e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      1 KMVIYWKAG 9
      |||||:|
Db      148 KMVIWEEG 156
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Search completed: June 9, 2004, 08:26:51
Job time : 44 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 9, 2004, 08:20:07 ; Search time 182 Seconds
(without alignments)
48.266 Million cell updates/sec

Title: US-10-024-017-6

Perfect score: 51

Sequence: 1 KWIYWKAG 9

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 6019581 seqs, 976053577 residues

Total number of hits satisfying chosen parameters: 6019581

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	51	100.0	9	26	US-10-024-017-6	Sequence 6, Appli
3	39	76.5	122	30	US-10-437-963-194664	Sequence 194664,
4	39	76.5	207	28	US-10-219-999-34921	Sequence 34921, A
5	39	76.5	207	30	US-10-425-114-47898	Sequence 47898, A
6	39	76.5	207	30	US-10-425-114A-47898	Sequence 47898, A
7	39	76.5	207	33	US-60-312-544-6283	Sequence 6283, Ap
8	39	76.5	221	30	US-10-437-963-104020	Sequence 104020,
9	39	76.5	222	28	US-10-219-999-58306	Sequence 58306, A
10	39	76.5	242	28	US-10-219-999-53886	Sequence 53886, A
11	39	76.5	242	30	US-10-425-114-64269	Sequence 64269, A
12	39	76.5	242	30	US-10-425-114A-64269	Sequence 64269, A
13	39	76.5	273	30	US-10-425-114-63365	Sequence 63365, A
14	39	76.5	273	30	US-10-425-114A-63365	Sequence 63365, A
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16	39	76.5	1460	27	US-10-438-246-20659	Sequence 20659, A
17	39	76.5	1460	30	US-10-438-246-26270	Sequence 26270, A
18	39	76.5	1488	30	US-10-437-963-137752	Sequence 137752,
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22	37	72.5	311	1	PCT-US02-38423-34	Sequence 34, Appli
23	37	72.5	311	1	PCT-US02-38423-35	Sequence 35, Appli
24	37	72.5	312	1	PCT-US02-38423-31	Sequence 31, Appli
25	37	72.5	312	1	PCT-US02-38423-37	Sequence 37, Appli
26	37	72.5	312	1	PCT-US02-38423-38	Sequence 38, Appli
27	37	72.5	312	1	PCT-US02-38423-39	Sequence 39, Appli
28	37	72.5	312	1	PCT-US03-01624-6	Sequence 6, Appli
29	37	72.5	312	20	US-09-642-574B-27	Sequence 27, Appli
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32	37	72.5	312	22	US-09-792-630-23	Sequence 23, Appli
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35	37	72.5	312	26	US-10-022-249-60	Sequence 60, Appli
36	37	72.5	312	26	US-10-022-249-64	Sequence 64, Appli
37	37	72.5	312	26	US-10-022-249-68	Sequence 68, Appli
38	37	72.5	312	26	US-10-022-249-72	Sequence 72, Appli
39	37	72.5	312	26	US-10-022-249-76	Sequence 76, Appli
40	37	72.5	312	26	US-10-022-249-80	Sequence 80, Appli
41	37	72.5	312	26	US-10-022-249-84	Sequence 84, Appli
42	37	72.5	312	26	US-10-022-249-88	Sequence 88, Appli
43	37	72.5	312	26	US-10-022-249-92	Sequence 92, Appli
44	37	72.5	312	26	US-10-022-249-96	Sequence 96, Appli
45	37	72.5	312	26	US-10-022-249-96	Sequence 96, Appli

ALIGNMENTS

RESULT 1
US-10-024-017-5
; Sequence 5, Application US/10024017
; GENERAL INFORMATION:
; APPLICANT: Dalton, William S.
; APPLICANT: Damiano, Jason S.
; APPLICANT: Cress, Anne E.
; TITLE OF INVENTION: Compounds and Methods For Modulating Cell-Adhesion Mediated Drug
; FILE REFERENCE: USF-T140XC1
; CURRENT APPLICATION NUMBER: US/10/024,017
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 60/186,198
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/795,484
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; TYPE: PRT
; LENGTH: 9
; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: inhibitor of cell adhesion mediated drug resistance
US-10-024-017-5

Query Match 100.0%; Score 51; DB 26; Length 9;
Best Local Similarity 100.0%; Pred. No. 5.5e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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| | | | |
Db 1 KMWYWKAG 9

RESULT 2

US-10-024-017-6
; Sequence 6, Application US/10024017
; GENERAL INFORMATION:
; APPLICANT: Dalton, William S.
; APPLICANT: Damiano, Jason S.
; APPLICANT: Cress, Anne E.
; TITLE OF INVENTION: Compounds and Methods For Modulating Cell-Adhesion Mediated Drug
; TITLE OF INVENTION: Resistance
; FILE REFERENCE: USF-T140XC1
; CURRENT APPLICATION NUMBER: US/10/024,017
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 60/186,198
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/795,484
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: RZ-3
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(9)
; OTHER INFORMATION: Dextrorotatory amino acid
US-10-024-017-6

Query Match 100.0%; Score 51; DB 26; Length 9;
Best Local Similarity 100.0%; Pred. No. 5.5e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KMWYWKAG 9
| | | | |
Db 1 KMWYWKAG 9

RESULT 3

US-10-437-963-194664
; Sequence 194664, Application US/10437963
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 194664
; LENGTH: 122
; TYPE: PRT
; ORGANISM: Oryza sativa

; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_90688C.1.pep
US-10-437-963-194664

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Best Local Similarity 87.5%; Pred. No. 1.4e+02;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2 MVIYWKAG 9
| | | | |
Db 101 MVIYWKAG 108

RESULT 4

US-10-219-999-34921
; Sequence 34921, Application US/10219999
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Edgerton, Michael D
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; APPLICANT: Stein, Joshua
; TITLE OF INVENTION: CDNA SEQUENCES AND USES FOR PLANT IMPROVEMENT
; FILE REFERENCE: 38-10(52726)C
; CURRENT APPLICATION NUMBER: US/10/219,999
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: US 60/324,109
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: US 60/312,544
; PRIOR FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 63520
; SEQ ID NO 34921
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Zea mays
US-10-219-999-34921

Query Match 76.5%; Score 39; DB 28; Length 207;
Best Local Similarity 87.5%; Pred. No. 2.2e+02;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2 MVIYWKAG 9
| | | | |
Db 186 MVIYWKAG 193

RESULT 5

US-10-425-114-47898
; Sequence 47898, Application US/10425114
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 47898
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: 700580909_FLI.pep
US-10-425-114-47898

Query Match 76.5%; Score 39; DB 30; Length 207;
Best Local Similarity 87.5%; Pred. No. 2.2e+02;

Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2 MVIYWKAG 9
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Db 186 MVNYWKAG 193

RESULT 6
US-10-425-114A-47898
; Sequence 47898, Application US/10425114A
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114A
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 47898
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: 700580909_FLI.pep
US-10-425-114A-47898

Query Match 76.5%; Score 39; DB 30; Length 207;
Best Local Similarity 87.5%; Pred. No. 2.2e+02;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2 MVIYWKAG 9
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Db 186 MVNYWKAG 193

RESULT 7
US-60-312-544-6283
; Sequence 6283, Application US/60312544
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Edgerton, Michael D
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; APPLICANT: Stein, Joshua
; TITLE OF INVENTION: cdNA SEQUENCES AND USES FOR PLANT IMPROVEMENT
; FILE REFERENCE: 38-10(52726)A
; CURRENT APPLICATION NUMBER: US/60/312,544
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 10730
; SEQ ID NO 6283
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: 700580909_FLI
US-60-312-544-6283

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Best Local Similarity 87.5%; Pred. No. 2.2e+02;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2 MVIYWKAG 9
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Db 186 MVNYWKAG 193

RESULT 8

US-10-437-963-104020
; Sequence 104020, Application US/10437963
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 104020
; LENGTH: 221
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_101394C.1.pep
US-10-437-963-104020

Query Match 76.5%; Score 39; DB 30; Length 221;
Best Local Similarity 87.5%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db 200 MVNYWKAG 207

RESULT 9
US-10-219-999-58306
; Sequence 58306, Application US/10219999
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Edgerton, Michael D
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; APPLICANT: Stein, Joshua
; TITLE OF INVENTION: cdNA SEQUENCES AND USES FOR PLANT IMPROVEMENT
; FILE REFERENCE: 38-10(52726)C
; CURRENT APPLICATION NUMBER: US/10/219,999
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: US 60/324,109
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: US 60/312,544
; PRIOR FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 63520
; SEQ ID NO 58306
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Zea mays
US-10-219-999-58306

Query Match 76.5%; Score 39; DB 28; Length 232;
Best Local Similarity 87.5%; Pred. No. 2.4e+02;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2 MVIYWKAG 9
||| |||||
Db 211 MVNYWKAG 218

RESULT 10
US-10-219-999-53886
; Sequence 53886, Application US/10219999
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei


```
/ APPLICANT: Edgerton, Michael D
/ APPLICANT: Hinkle, Gregory J.
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Liu, Jingdong
/ APPLICANT: Stein, Joshua
/ TITLE OF INVENTION: CDNA SEQUENCES AND USES FOR PLANT IMPROVEMENT
/ FILE REFERENCE: 38-21(53313)B
/ CURRENT APPLICATION NUMBER: US/10/219,999
/ CURRENT FILING DATE: 2002-08-15
/ PRIOR APPLICATION NUMBER: US 60/324,109
/ PRIOR FILING DATE: 2001-09-21
/ PRIOR APPLICATION NUMBER: US 60/312,544
/ PRIOR FILING DATE: 2001-08-15
/ NUMBER OF SEQ ID NOS: 63520
/ SEQ ID NO 53886
/ LENGTH: 242
/ TYPE: PRT
/ ORGANISM: Zea mays
US-10-219-999-53886

Query Match          76.5%; Score 39; DB 28; Length 242;
Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      2 MVIYWKAG 9
Db      221 MVNYWKAG 228

RESULT 11
US-10-425-114-64269
/ Sequence 64269, Application US/10425114
/ GENERAL INFORMATION:
/ APPLICANT: Liu, Jingdong
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Screen, Steven E.
/ APPLICANT: Tabaska, Jack E
/ APPLICANT: Cao, Yongwei
/ TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
/ FILE REFERENCE: 38-21(53313)B
/ CURRENT APPLICATION NUMBER: US/10/425,114
/ CURRENT FILING DATE: 2003-04-28
/ NUMBER OF SEQ ID NOS: 73128
/ SEQ ID NO 64269
/ LENGTH: 242
/ TYPE: PRT
/ ORGANISM: Zea mays
/ FEATURE:
/ OTHER INFORMATION: Clone ID: LIB3607-023-H8_FLI.pep
US-10-425-114-64269

Query Match          76.5%; Score 39; DB 30; Length 242;
Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      2 MVIYWKAG 9
Db      221 MVNYWKAG 228

RESULT 12
US-10-425-114A-64269
/ Sequence 64269, Application US/10425114A
/ GENERAL INFORMATION:
/ APPLICANT: Liu, Jingdong
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Screen, Steven E.
/ APPLICANT: Tabaska, Jack E
/ APPLICANT: Cao, Yongwei
/ TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
/ FILE REFERENCE: 38-21(53313)B
/ CURRENT APPLICATION NUMBER: US/10/425,114A
/ CURRENT FILING DATE: 2003-04-28
/ NUMBER OF SEQ ID NOS: 73128
/ SEQ ID NO 63365
/ LENGTH: 273
/ TYPE: PRT
/ ORGANISM: Zea mays
/ FEATURE:
/ OTHER INFORMATION: Clone ID: UC-ZNF1M017169F02_FLI.pep
US-10-425-114-63365

Query Match          76.5%; Score 39; DB 30; Length 273;
Best Local Similarity 87.5%; Pred. No. 2.8e+02;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      2 MVIYWKAG 9
Db      252 MVNYWKAG 259

RESULT 14
US-10-425-114A-63365
/ Sequence 63365, Application US/10425114A
/ GENERAL INFORMATION:
/ APPLICANT: Liu, Jingdong
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Screen, Steven E.
/ APPLICANT: Tabaska, Jack E
/ APPLICANT: Cao, Yongwei
/ TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
/ FILE REFERENCE: 38-21(53313)B
/ CURRENT APPLICATION NUMBER: US/10/425,114A
/ CURRENT FILING DATE: 2003-04-28
/ NUMBER OF SEQ ID NOS: 73128
/ SEQ ID NO 63365
/ LENGTH: 273
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; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMFLMO17169F02_FLI.pep
US-10-425-114A-63365
Query Match      76.5%; Score 39; DB 30; Length 273;
Best Local Similarity 87.5%; Pred. No. 2.8e+02;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      2 MVIYWKAG 9
Db      252 MVNYWKAG 259

RESULT 15
US-10-155-881-29895
; Sequence 29895, Application US/10155881
; GENERAL INFORMATION:
; APPLICANT: Dotson, Stanton B.
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; APPLICANT: Latfiyya, Linda L.
; APPLICANT: Mcininch, James
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
; TITLE OF INVENTION: TRANSCRIPTION IN PLANTS
; FILE REFERENCE: 38-21(15300)J
; CURRENT APPLICATION NUMBER: US/10/155,881
; CURRENT FILING DATE: 2002-05-22
; NUMBER OF SEQ ID NOS: 37595
; SEQ ID NO 29895
; LENGTH: 1460
; TYPE: PRT
; ORGANISM: Oryza sativa
US-10-155-881-29895
Query Match      76.5%; Score 39; DB 27; Length 1460;
Best Local Similarity 87.5%; Pred. No. 1.3e+03;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      2 MVIYWKAG 9
Db      196 MVNYWKAG 203

Search completed: June 9, 2004, 08:25:55
Job time : 183 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 9, 2004, 08:19:31 ; Search time 19 Seconds
(without alignments)
18.850 Million cell updates/sec

Title: US-10-024-017-6
Perfect score: 51
Sequence: 1 KVIYWKAG 9

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 267159 seqs, 39793891 residues

Total number of hits satisfying chosen parameters: 267159

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending Patents AA New.*
1: /cgn2_6/ptodata/1/paa/US06_NEW_COMB.pep.*
2: /cgn2_6/ptodata/1/paa/US07_NEW_COMB.pep.*
3: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep.*
4: /cgn2_6/ptodata/1/paa/US09_NEW_COMB.pep.*
5: /cgn2_6/ptodata/1/paa/US10_NEW_COMB.pep.*
6: /cgn2_6/ptodata/1/paa/US10_NEW_COMB.pep.*
7: /cgn2_6/ptodata/1/paa/US60_NEW_COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	39	76.5	87	US-10-767-701-54480	Sequence 54480, A
2	37	72.5	197	PCT-US04-09289-817	Sequence 817, App
3	37	72.5	458	US-10-796-280-1388	Sequence 1388, Ap
4	37	72.5	531	US-10-796-280-1390	Sequence 1390, Ap
5	37	72.5	536	US-10-796-280-1389	Sequence 1389, Ap
6	36	70.6	319	PCT-US04-15534-9	Sequence 9, Appli
7	36	70.6	440	PCT-US04-15534-5	Sequence 5, Appli
8	36	70.6	541	PCT-US04-15534-7	Sequence 7, Appli
9	36	70.6	662	PCT-US04-15534-3	Sequence 3, Appli
10	35	68.6	816	US-10-796-280-925	Sequence 925, App
11	35	68.6	936	US-10-796-280-944	Sequence 944, App
12	34	66.7	219	US-10-767-701-55270	Sequence 55270, A
13	33	64.7	74	US-10-793-479-6876	Sequence 6876, Ap
14	33	64.7	171	US-10-767-701-51959	Sequence 51959, A
15	33	64.7	209	US-10-767-701-39802	Sequence 39802, A
16	33	64.7	615	US-60-556-841-1607	Sequence 1607, Ap
17	33	64.7	686	US-10-779-597-11	Sequence 11, Appl
18	33	64.7	729	US-10-417-884A-6946	Sequence 6946, Ap
19	33	64.7	1040	US-10-712-124-10	Sequence 10, Appl
20	32	62.7	44	US-10-798-512-236	Sequence 236, App
21	32	62.7	87	US-10-767-701-54325	Sequence 54325, A
22	32	62.7	90	US-10-767-701-40219	Sequence 40219, A
23	32	62.7	134	US-10-767-471-696	Sequence 696, App
24	32	62.7	170	US-10-100-683-9468	Sequence 9468, Ap
25	32	62.7	170	US-10-100-683-9469	Sequence 9469, Ap
26	32	62.7	170	US-10-798-512-114	Sequence 114, App

ALIGNMENTS

RESULT 1

US-10-767-701-54480
; Sequence 54480, Application US/10767701
; GENERAL INFORMATION: David K.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhao, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 54480
; LENGTH: 87
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: 14569612.pep
US-10-767-701-54480

Query Match	76.5%	Score 39;	DB 6;	Length 87;
Best Local Similarity	87.5%	Pred. No. 4.1;		
Matches	7;	Conservative	0;	Mismatches 1;
			Indels	0;
			Gaps	0;
QY	2	MVIYWKAG	9	
Db	66	MVNYWKAG	73	

RESULT 2

PCT-US04-09289-817
; Sequence 817, Application PC/TUS0409289
; GENERAL INFORMATION:
; APPLICANT: Avalon Pharmaceuticals, Inc.
; TITLE OF INVENTION: Determining Cancer-Linked Genes and Therapeutic Targets
; FILE REFERENCE: 689290-188
; CURRENT APPLICATION NUMBER: PCT/US04/09289
; CURRENT FILING DATE: 2004-04-20
; PRIOR APPLICATION NUMBER: 60/462,895
; PRIOR FILING DATE: 2003-04-15
; NUMBER OF SEQ ID NOS: 923
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 817
; LENGTH: 197
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US04-09289-817

Sequence 165, App
Sequence 1213, Ap
Sequence 1214, Ap
Sequence 1849, Ap
Sequence 1850, Ap
Sequence 37918, A
Sequence 6262, App
Sequence 978, App
Sequence 1513, Ap
Sequence 233, App
Sequence 28, Appl
Sequence 5291, Ap
Sequence 8026, Ap
Sequence 10645, A
Sequence 10845, A
Sequence 472, App
Sequence 464, App
Sequence 470, App
Sequence 466, App

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Query Match          72.5%; Score 37; DB 1; Length 197;
Best Local Similarity 66.7%; Pred. No. 20;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 KMVIYWKAG 9
Db 123 KVLIIYKWK 131

RESULT 3
US-10-796-280-1398
; Sequence 1388, Application US/10796280
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001510
; CURRENT APPLICATION NUMBER: US/10/796,280
; CURRENT FILING DATE: 2004-03-10
; NUMBER OF SEQ ID NOS: 68533
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1388
; LENGTH: 458
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-796-280-1388

Query Match          72.5%; Score 37; DB 6; Length 458;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 IYWKAG 9
Db 36 IYWKAG 41

RESULT 4
US-10-796-280-1390
; Sequence 1390, Application US/10796280
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001510
; CURRENT APPLICATION NUMBER: US/10/796,280
; CURRENT FILING DATE: 2004-03-10
; NUMBER OF SEQ ID NOS: 68533
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1390
; LENGTH: 531
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-796-280-1390

Query Match          72.5%; Score 37; DB 6; Length 531;
Best Local Similarity 100.0%; Pred. No. 52;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 IYWKAG 9
Db 109 IYWKAG 114

RESULT 5
US-10-796-280-1389
; Sequence 1389, Application US/10796280
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001510
; CURRENT APPLICATION NUMBER: US/10/796,280
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; CURRENT FILING DATE: 2004-03-10
; NUMBER OF SEQ ID NOS: 68533
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1389
; LENGTH: 536
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-796-280-1389

Query Match          72.5%; Score 37; DB 6; Length 536;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 IYWKAG 9
Db 102 IYWKAG 107

RESULT 6
PCT-US04-15534-9
; Sequence 9, Application PC/TUS0415534
; GENERAL INFORMATION:
; APPLICANT: Government of the United States of America, as represented by the
; APPLICANT: Secretary, Department of Health & Human Services,
; APPLICANT: c/o National Institutes of Health
; TITLE OF INVENTION: AVIAN ADENOSOCIATED VIRUS (AAAV) AND
; FILE REFERENCE: 14014.0412P1
; CURRENT APPLICATION NUMBER: PCT/US04/15534
; CURRENT FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: 60/472,066
; PRIOR FILING DATE: 2003-05-19
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 319
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence; note =
; OTHER INFORMATION: synthetic construct
PCT-US04-15534-9

Query Match          70.6%; Score 36; DB 1; Length 319;
Best Local Similarity 55.6%; Pred. No. 48;
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 KMVIYWKAG 9
Db 150 KMLIWWBEG 158

RESULT 7
PCT-US04-15534-5
; Sequence 5, Application PC/TUS0415534
; GENERAL INFORMATION:
; APPLICANT: Government of the United States of America, as represented by the
; APPLICANT: Secretary, Department of Health & Human Services,
; APPLICANT: c/o National Institutes of Health
; TITLE OF INVENTION: AVIAN ADENOSOCIATED VIRUS (AAAV) AND
; FILE REFERENCE: 14014.0412P1
; CURRENT APPLICATION NUMBER: PCT/US04/15534
; CURRENT FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: 60/472,066
; PRIOR FILING DATE: 2003-05-19
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 440
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
```

; OTHER INFORMATION: Description of Artificial Sequence; note =
; OTHER INFORMATION: synthetic construct
PCT-US04-15534-5

Query Match 70.6%; Score 36; DB 1; Length 440;
Best Local Similarity 55.6%; Pred. No. 65;
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KMVIYWKAG 9
Db 150 KMIWWEAG 158
||:|:|:

RESULT 8
PCT-US04-15534-7
; Sequence 7, Application PC/TUS0415534
; GENERAL INFORMATION:
; APPLICANT: Government of the United States of America, as represented by the
; APPLICANT: Secretary, Department of Health & Human Services,
; APPLICANT: c/o National Institutes of Health
; TITLE OF INVENTION: AVIAN ADENOSOCIATED VIRUS (AAAV) AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: 14014.0412P1
; CURRENT APPLICATION NUMBER: PCT/US04/15534
; CURRENT FILING DATE: 2004-05-24
; PRIOR FILING DATE: 60/472,066
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 541
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence; note =
; OTHER INFORMATION: synthetic construct
PCT-US04-15534-7

Query Match 70.6%; Score 36; DB 1; Length 541;
Best Local Similarity 55.6%; Pred. No. 80;
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KMVIYWKAG 9
Db 372 KMIWWEAG 380
||:|:|:

RESULT 9
PCT-US04-15534-3
; Sequence 3, Application PC/TUS0415534
; GENERAL INFORMATION:
; APPLICANT: Government of the United States of America, as represented by the
; APPLICANT: Secretary, Department of Health & Human Services,
; APPLICANT: c/o National Institutes of Health
; TITLE OF INVENTION: AVIAN ADENOSOCIATED VIRUS (AAAV) AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: 14014.0412P1
; CURRENT APPLICATION NUMBER: PCT/US04/15534
; CURRENT FILING DATE: 2004-05-24
; PRIOR FILING DATE: 60/472,066
; PRIOR FILING DATE: 2003-05-19
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 662
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence; note =
; OTHER INFORMATION: synthetic construct
PCT-US04-15534-3

Query Match 70.6%; Score 36; DB 1; Length 662;

Best Local Similarity 55.6%; Pred. No. 97;
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KMVIYWKAG 9
Db 372 KMIWWEAG 380
||:|:|:

RESULT 10
US-10-796-280-925
; Sequence 925, Application US/10796280
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001510
; CURRENT APPLICATION NUMBER: US/10/796,280
; CURRENT FILING DATE: 2004-03-10
; NUMBER OF SEQ ID NOS: 68533
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 925
; LENGTH: 816
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-796-280-925

Query Match 68.6%; Score 35; DB 6; Length 816;
Best Local Similarity 62.5%; Pred. No. 1.8e+02;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 2 MVIYWKAG 9
Db 19 LLAYWKAG 26
::|:|:|:

RESULT 11
US-10-796-280-944
; Sequence 944, Application US/10796280
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001510
; CURRENT APPLICATION NUMBER: US/10/796,280
; CURRENT FILING DATE: 2004-03-10
; NUMBER OF SEQ ID NOS: 68533
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 944
; LENGTH: 936
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-796-280-944

Query Match 68.6%; Score 35; DB 6; Length 936;
Best Local Similarity 62.5%; Pred. No. 2e+02;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 2 MVIYWKAG 9
Db 19 LLAYWKAG 26
::|:|:|:

RESULT 12
US-10-767-701-55270
; Sequence 55270, Application US/10767701
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(5353)B
; CURRENT APPLICATION NUMBER: US/10/767,701

; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 55270
; LENGTH: 219
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: 30161331.pep
US-10-767-701-55270

Query Match 66.7%; Score 34; DB 6; Length 219;
Best Local Similarity 85.7%; Pred. No. 75;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 VYWKAG 9
Db 152 VRYWKAG 158
|||||

RESULT 13

US-10-793-479-6676
; Sequence 6676, Application US/10793479
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/10793,479
; PRIOR FILING DATE: 2004-03-03
; PRIOR APPLICATION NUMBER: US/09/513,999
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 6676
; LENGTH: 74
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-793-479-6676

Query Match 64.7%; Score 33; DB 6; Length 74;
Best Local Similarity 44.4%; Pred. No. 40;
Matches 4; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 KWVYWKAG 9
Db 10 RLIPYWKAG 18
::: |||||

RESULT 14

US-10-767-701-51959
; Sequence 51959, Application US/10767701
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 51959
; LENGTH: 171
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)...(171)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:

; OTHER INFORMATION: Clone ID: LIB5050-006-R1-XP1-H2.pep
US-10-767-701-51959

Query Match 64.7%; Score 33; DB 6; Length 171;
Best Local Similarity 100.0%; Pred. No. 88;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 YWKAG 9
Db 165 YWKAG 169
|||||

RESULT 15

US-10-767-701-39802
; Sequence 39802, Application US/10767701
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 39802
; LENGTH: 209
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-C30419_1.pep
US-10-767-701-39802

Query Match 64.7%; Score 33; DB 6; Length 209;
Best Local Similarity 100.0%; Pred. No. 11e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 YWKAG 9
Db 39 YWKAG 43
|||||

Search completed: June 9, 2004, 08:22:38
Job time : 19 secs